

In the Claims:

Please cancel claims 1-70, and add new claims 71 - 77, all as shown below.

1-70. Cancel

Please add the following new claims.

71. (New) A precursor for making a polymer, said precursor having the formula: $Y-Ar-(Y')_z$, wherein z is an integer of 1 to about 6, wherein Y and Y' are leaving groups, and Ar is a compound containing an aromatic moiety having from greater than 6 to about 40 carbon atoms, and having at least one sp^2C-sp^2C double bond and one or more of a sp^2C-F bond or a sp^2C-H bond.

72. (New) The precursor of claim 71, wherein Ar is selected from the group consisting of

- $-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-$, wherein n is 1 or 2 and m is an integer ranging from 1 to 4,
- $-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-(CH_{(2-o)}F_o)-$ wherein n is 1 or 2 and m is an integer ranging from 1 to 4 and o is 1 or 2,
- $-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-(C_6H_{(4-o)}F_o)-$ wherein n is 1 or 2 and m is an integer ranging from 1 to 4 and o is an integer ranging from 1 to 4,
- $-(CH_{(2-n)}F_n)-(C_6H_{(4-m)}F_m)-(C_6H_{(4-o)}F_o)-(CH_{(2-p)}F_p)-$ wherein n is 1 or 2 and m is an integer ranging from 1 to 4 and o is an integer ranging from 1 to 4 and p is 1 or 2,
- $-C_{10}H_{(6-n)}F_n-$, wherein n is an integer ranging from 0 to 6,
- $-C_{12}H_{(8-n)}F_n-$, wherein n is an integer ranging from 0 to 8,
- $-C_{13}H_{(7-n)}F_n-$, wherein n is an integer ranging from 0 to 7,
- $-C_{14}H_{(8-n)}F_n-$, wherein n is an integer ranging from 0 to 8,
- $-C_{16}H_{(10-n)}F_n-$, wherein n is an integer ranging from 0 to 10,
- $-C_{10}H_{(8-n)}F_n-$ wherein n is an integer ranging from 0 to 8,
- $-C_{16}H_{(8-n)}F_n-$, wherein n is an integer ranging from 0 to 8,
- $-(C_6H_{4-n}F_n)-(C_{10}H_{6-m}F_m)-$, where n is an integer ranging from 1 to 4 and m is an integer ranging from 1 to 6,
- $-(C_{14}H_{(8-n)}F_n)-(C_{16}H_{(8-n)}F_n)-$, wherein n and m are independently integers ranging from 1 to 8, and

$-(C_{14}H_{(8-n)}F_n)-(C_{16}H_{(10-m)}F_m)-$, wherein n is an integer ranging from 1 to 8 and m is an integer ranging from 1 to 10;

$-(C_{10}H_{6-m}F_m)-(C_{10}H_{6-n}F_n)-(C_{10}H_{6-o}F_o)-$, wherein m, n and o are integers independently selected from 1 to 6;

$-C_{14}H_{(8-m)}F_m-(C_{10}H_{6-n}F_n)-C_{14}H_{(8-o)}F_o-$, wherein m and o are integers independently selected from 1 to 8 and n is an integer from 1 to 6, and
a positional isomer of any of the above.

73. (New) The precursor of claim 71, wherein Y and Y' are independently selected from the group consisting of -H, -Cl, -Br, -NR, -SR, -SiR₃, -NR₂ and -SO₂R, wherein R is -H, an alkyl group or an aromatic group.

74. (New) The precursor of claim 71, wherein Y is a leaving group selected from the group consisting of -H, -Br and -F.

75. (New) The precursor of claim 71, wherein Y and Y' are Br.

76. (New) The precursor of claim 71, wherein Ar is selected from the group consisting of:

$-CF_2-(C_6F_4)-$,

$-CF_2-(C_6F_4)-(C_6F_4)-$,

$-CF_2-(C_6F_4)-(C_6F_4)-CF_2-$,

$-(CF_2)-(C_6F_4)-(C_6F_4)-$,

$-(CF_2)-(C_6F_4)-(C_6F_4)-(CF_2)-$,

$-C_{10}F_6-$,

$-C_{12}F_8-$,

$-C_{13}F_7-$,

$-C_{14}F_8-$,

$-C_{16}F_{10}-$,

$-C_{10}F_8-$,

-C₁₆F₈-,
-(C₆F₄)-(C₁₀F₆)-,
-(C₁₄F₈)-(C₁₆F₈)-,
-(C₁₄F₈)-(C₁₆F₁₀)-,
-(C₁₀F₆)-(C₁₀F₆)-(C₁₀F₆)-, and
-(C₁₄F₈)-(C₁₀F₆)-(C₁₄F₈)-,
-(C₁₀F₆)-(C₁₀F₆)-(C₁₀F₆)-,
-(C₁₀F₆)-(C₁₀F₆)-(C₁₀F₆)-(C₁₀F₆)-,

a combination of one or more of the above Ar groups, with the proviso that the total number of carbon atoms is said Ar group is less than about 40, and
a positional isomer of any of the above.

77. (New) The precursor of claim 71 having a formula selected from the group consisting of:

Br-CF₂-(C₆F₄)-Br,
Br-CF₂-(C₆F₄)-(C₆F₄)-Br,
Br-(CF₂)-(C₆F₄)-(C₆F₄)-(CF₂)-Br,
Br-C₁₀F₆-Br,
Br-C₁₂F₈-Br,
Br-C₁₃F₇-Br,
Br-C₁₄F₈-Br,
Br-C₁₆F₁₀-Br,
Br-C₁₀F₈-Br,
Br-C₁₆F₈-Br, and

a positional isomer of the above.